

AIM Ann Report
1892

ANNUAL REPORT

OF THE

AUCKLAND INSTITUTE

AND

MUSEUM

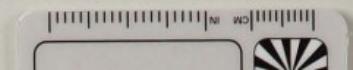
Adopted at the Annual Meeting held on February 22nd, 1892.

Buckland

H. BRETT, GENERAL PRINTER, SHORTLAND AND FORT STREETS.

MDCCXCIL

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For 1891-92.

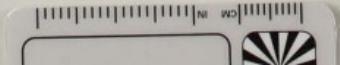
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D OFFICERS *R*

OF THE

AUCKLAND INSTITUTE.

President

PROFESSOR F. D. BROWN, F.C.S.

Vice-Presidents:

J. STEWART, Esq., C.E. J. MARTIN, Esq., F.G.S.

Council:

BATES, REV. J.	POND, J. A., Esq., F.C.S.
BERRY, W., Esq.	POND, PROF.
CAMPBELL, REV. J.	ROBERTON, E., M.D.
COOPER, C., Esq.	THOMAS, PROF. A. P. W., F.L.S.
PEACOCK, T., Esq.	UPTON, J. H., Esq.
WITHY, E., Esq.	

Trustees:

MACKEHNIE, E. A., Esq. SMITH, S. P., Esq., F.R.G.S.
PEACOCK, T., Esq.

Secretary and Treasurer:

T. F. CHEESEMAN, Esq., F.L.S., F.Z.S.

Auditor

J. REID, Esq.

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THE FOLLOWING

MAGAZINES AND PERIODICALS

ARE CIRCULATED AMONG THE MEMBERS:

- Quarterly Journal of Microscopical Science.
- The Ibis.
- Nature.
- Geological Magazine.
- Lancet.
- Scientific American.
- The Academy.
- Knowledge.
- Botanical Magazine.
- Annals of Botany.
- Gardeners' Chronicle.
- Chemical News.
- Engineering.
- Science Gossip.
- Electrical and Telegraphic Review.
- Annals and Magazine of Natural History.
- The Philosophical Magazine.
- American Journal of Science.
- The New Zealand Medical Journal.

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11. The Rotorua Railway and District :—By JAS. STEWART, C.E.
12. Pasteur, Koch, and their Work :—By Prof. A. P. THOMAS, F.L.S.
13. New Species of Coleoptera, Part III.:—By Capt. T. BROUN.
14. Catalogue of the described Species of New Zealand Spiders.—By A. T. URQUHART.
15. Descriptions of some new Species of Spiders :—By A. T. URQUHART.
16. Some recent Additions to the New Zealand Flora :—By T. F. CHEESEMAN, F.L.S.
17. Additional Notes on the genus *Carex* :—By T. F. CHEESEMAN, F.L.S.
18. On the Occurrence of Native Silver at the Thames :—By JAMES PARK, F.G.S.
19. Note to accompany a Specimen of Kauri Timber taken from a cottage erected more than fifty years ago :—By Dr. J. L. CAMPBELL.
20. A Tradition of Whakatane :—By Lieut.-Col. ST. JOHN.
21. The Auckland Volcanoes :—By H. SHREWSBURY, M.A.

Museum.—With the exception of four or five holidays, the Museum has been opened to the public daily during the year. The attendance of visitors has been satisfactory, although not quite equal to that of the two previous years. The register kept by the Janitor on Sundays shows the total number of visitors on that day to have been 6,663, or an average of 128 for each Sunday. The average attendance on week-days is estimated to have been 65. This, added to the number already given for Sundays, will make a total for the year of 27,008.

In view of the early completion of an additional hall, and a consequent rearrangement of the whole of the collections, but few changes of importance have been made in the Museum. The Mair collection of Maori ethnological specimens, alluded to in last year's report as having been deposited by its owner, has been temporarily arranged in a new show-case erected for the purpose in the north gallery, until recently occupied by the Mackelvie collection of pictures. It has attracted a large number of visitors, and is continually referred to by people desiring to become acquainted with the habits and mode of life of the Maori race.

Among the additions received during the year, a full list of which is appended to the report, is a large consignment forwarded in exchange by the United States National Museum, comprising skins of mammals and birds, North American reptiles and batrachians, and a large series of minerals specially selected to fill blanks in the exhibition set. A valuable collection of mammals and birds, containing some very welcome additions, has also been received from the Imperial Museum of Natural History at Florence. The Council

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are also indebted to Mr. Park, the Director of the Thames School of Mines, for an extensive set of minerals and rock specimens intended to illustrate the geological structure of the Thames goldfields.

The necessity existing for an enlargement of the Museum had long been recognised by the Council; but, as stated in previous reports, they considered it unwise to take any portion of the Costley bequest for building purposes until its place could be supplied from the Museum endowment. The sale of the Waikanae block, already mentioned, has done this, and satisfied the Council that after withdrawing the funds required to defray the cost of an additional hall, sufficient capital would still be left to provide an adequate maintenance for the Museum. In his anniversary address, delivered at the commencement of the session, the President pointed out that the Museum could make no further progress until additional accommodation had been provided, and at his instance a committee of the Council was appointed to collect evidence as to the extent of the accommodation required, and to estimate its cost. After a full consideration of the question, and after obtaining architects' estimates and plans, the committee reported that the enlargement of the Museum could be no longer postponed, and that the cost, including show-cases and all other fittings, need not exceed £1,500. The report was adopted by the Council, working plans and specifications were prepared by Mr. Bartley, and after some negotiation a contract for the erection of the building was accepted for the sum of £1,035. As members are doubtless aware, the building is now approaching completion, and will probably be handed over by the contractor about the end of March. It is hoped that the show-cases and all other fittings may be finished, and the arrangement of the collections sufficiently advanced to permit the opening of the building during the coming winter.

Library.—There is little to report under this head. Few purchases of books have been made, but some expenditure has been incurred in binding the back numbers of scientific periodicals and the publications of societies. The Council will shortly have to consider the question of increased accommodation for the Library, which now contains over 5,000 volumes. The room at present used for the purpose is inconveniently small, the shelving has all been absorbed, and cannot possibly be added to, while the table room and other conveniences for readers are of the most meagre description. There can be no doubt that some action must be taken in the matter during the next year or two.

In concluding the report, the Council trust that members and the public generally will give that active support and encouragement which is due to an institution whose chief aim is to secure the advancement of knowledge, and the diffusion of scientific and practical information throughout the community.

THE TREASURER IN ACCOUNT WITH THE AUCKLAND INSTITUTE.

FEBRUARY 3, 1891, TO FEBRUARY 17, 1892.

Balance in the Bank of New Zealand, February 3, 1891	£ s. d.	£ s. d.
Annual Subscriptions	79 0 0	80 17 9
Rents	154 7 0	37 16 0
Interest from Costley Bequest	33 19 0	42 3 10
Rents and Profits transferred from Museum Endow- ment Account	374 15 0	123 18 9
Miscellaneous	168 15 4	382 19 6
Balance due Bank of New Zealand, February 17, 1892	4 14 3	789 12 0
	751 3 2	98 12 2
	<u>£1,566 13 9</u>	<u>£1,566 13 9</u>

February 18, 1892.

T. F. CHEESEMAN Treasurer

Examined and found to be correct.

JOHN REID, Auditor

MUSEUM ENDOWMENT ACCOUNT.

FEBRUARY 3, 1891, to FEBRUARY 16, 1892.

	£ s. d.		£ s. d.
Balance in the Bank of New Zealand, February 3, 1891	10 13 5	Rates, Insurance, Agency and Other Expenses	22 4 0
Received from Government on Account of Sales of Endowments	1,414 8 0	Transferred to General Account	168 15 4
Received from Government on Account of Rents of Endowments	136 2 4	Lodged at Fixed Deposit in Bank of New Zealand	1,000 0 0
Interest on Investments	54 17 0	Balance in Bank of New Zealand, February 16, 1892	425 1 5
	<hr/> <u>£1,616 0 9</u>		<hr/> <u>£1,616 0 9</u>

February 18, 1892.

T. F. CHEESEMAN, Treasurer.

Examined and found to be correct,

JOHN REID, Auditor.

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INVESTMENTS OF THE AUCKLAND INSTITUTE.

	£	s.	d.
COSTLEY BEQUEST—			
On Mortgage on Freehold Security at 6 per cent.	4,000	0	0
On Mortgage on Freehold Security at 6½ per cent.	650	0	0
Deposited with the Industrial and Provident Building Society at 5 per cent.	1,550	0	0
At Fixed Deposit in Various Banks	3,000	0	0
NATHAN BEQUEST—			
Deposited in Auckland Savings Bank at 5 per cent.	120	16	8
MUSEUM ENDOWMENT—			
On Mortgage on Freehold Security at 7 per cent.	900	0	0
On Mortgage on Freehold Security at 7 per cent.	270	0	0
Deposited in Auckland Savings Bank at 5 per cent.	96	7	8
At Fixed Deposit in the Bank of New Zealand	1,000	0	0
INVESTMENT FUND FOR LIFE SUBSCRIPTIONS—			
Deposited in Auckland Savings Bank at 5 per cent.	165	5	6
Total	<u>£</u>	<u>11</u>	<u>,752</u>
	<u>9</u>	<u>10</u>	

T. F. CHEESEMAN,

Treasurer.

Documents found to be in order,

JOHN REID,

Auditor.

February 18, 1892.

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Additions & Donations

TO THE
LIBRARY AND MUSEUM.

-
- Report of the Geological Survey, No. 21; Annual Report of the Colonial Museum and Laboratory. The Director of the Geological Survey.
Parliamentary Papers and Reports; New Zealand Hansard for 1891; New Zealand Statistics. The New Zealand Government.
Statistics of Tasmania for 1890; Walsh's Tasmanian Almanac for 1892; Tasmanian Official Record for 1891. The Colonial Secretary, Tasmania.
Victorian Year Book for 1890-91. The Government Statist, Victoria.
Transactions of the Royal Society of Victoria, Vol. II., Part 1, Vol. III., Part 1; Proceedings, Vols. X.—XVIII., XX.—XXII., and Vol. III., New Series. The Society.
Journal and Proceedings of the Royal Society of New South Wales, Vol. XXIV. The Society.
Annual Report and other Publications of the Department of Mines, N.S.W. The Department of Mines.
Report of the Australasian Association for the Advancement of Science, Vol. III. The Association.
United States Consular Reports. The United States Government.
Insect Life, parts of Vols. III. and IV.; Bulletins of the U.S. Department of Agriculture. The Department of Agriculture, Washington, U.S.A.
Reports of the Smithsonian Institution for 1888 and 1889; Report of the United States National Museum for 1888; Bulletins of the Museum. The Smithsonian Institution, Washington, U.S.A.
Reports of the Missouri Botanical Garden for 1889 and 1890. The Missouri Botanical Garden.
Annual Report of the Museum of Comparative Zoology, Harvard, U.S.A. Prof. A. Agassiz.
Catalogue of the Library of the Salem Institute, U.S. The Institute.
Reports of the State Board of Horticulture for California for 1885—1890. The State Board.
Annual Report of the Public Museum of Milwaukee, U.S.A. The Museum.
Contributions to Canadian Paleontology. The Geological Survey, Canada.
Monthly Reports of the Observatory of Rio Janeiro, Brazil. The Observatory.
Monthly Bulletins of the Meteorological Observatory of Mexico. The Observatory.
Monatsbericht der Deutschen Seewarte; Katalog der Bibliothek der Deutschen Seewarte. The Seewarte.
Symons' Monthly Meteorological Magazine. The Editor.
Catalogue of the Crawford Library of the Royal Observatory, Edinburgh. The Observatory.
Proceedings of the Royal Colonial Institute for 1890. The Institute.
French's Destructive Insects of Victoria. The Author.
History of Art in Phoenicia and Cyprus, 2 Vols. A. J. Hunter.
Twenty-three New Zealand Pamphlets. R. Church.

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- Twenty-one New Zealand Pamphlets. Dr. Hocken.
Codrington's Melanesians and their Anthropology. Purchased.
Voyage of Governor Philip to Botany Bay. Purchased.
Crozet's Voyage to Tasmania and New Zealand in 1771-72. Purchased.
Verschuur's At the Antipodes. Purchased.
Wallace's Rural Economy and Agriculture of Australia and New Zealand.
Purchased.
Rusden's History of New Zealand, 3 Vols. Purchased.
Bracken's Musings in Maoriland. Purchased.
The Laws of England compiled and translated into the Maori language.
Purchased.
Buckler's Larva of British Butterflies and Moths, Vol. IV. Purchased.
Cameron's British Phytophagous Hymenoptera, Vol. III. Purchased.
British Museum Catalogue of Birds, Vol. XIX. Purchased.

- Sixteen Skins of Mammals; ten Bird Skins; fourteen Reptiles; seventy-two specimens of Minerals. In exchange from the National Museum, Washington, U.S.
Thirteen Mammals, set up; fifteen Bird Skins. In exchange from the Imperial Museum of Natural History, Florence.
Twelve living Specimens of *Eudyptes sclateri*; Skin of *Platycercus unicolor*; Albino Skin of *Puffinus griseus*; Skin of *Ocydromus Earl*; Eggs of Albatross (*Diomedea exulans* and *D. Regia*); Birds' Eggs from the Kermadec Islands; two large Crabs from the Auckland Islands; Jaws of large Cuttle-fish; nine New Zealand Bird Skins. Captain Fairchild, s.s. *Hinemoa*.
Skin of Land Rail (*Rallus philippensis*). Col. Carr.
Skin of Morepork (*Spiloglaux nova Zeelandia*). F. George.
Skin of Flightless Duck (*Nesonetta Aucklandica*), and Black Fantail (*Rhipidura fuliginosa*). Sir W. L. Buller.
Skins of Dove Petrel (*Prion Banksii*). Mr. Gaudin, Master Pycroft.
Skin of Peacock. E. C. Frost.
Skin of Laughing Owl (*Sceloglaux nova Zealandia*). In exchange from the Canterbury Museum.
Lizard (*Lygosoma sp.*). F. Chilcott.
Large Centipede. F. Lee.
Specimens of *Testacella*. H. P. Sealy.
New Zealand Shells. C. Spencer, E. B. Moss, Captain Fairchild, F. Grosch, C. Matthews, T. F. Cheeseman.
Cuttle-fish (*Sepioteuthis*). J. Reid.
Monk-fish (*Monacanthus*). J. Reid.
Shells from the Chatham Islands; Moriori Skull; Ancient Moriori Fish-hook. Miss Shand.
Two Skulls of Aboriginal Australians. R. Murray.
Lanaprey (*Geotria chilensis*). H. A. Wood.
Mahogany Insect Cabinet; Setting Boards and Insect Pins; Collection of New Zealand Fossils. J. D. Enys.
Rock Oyster attached to a piece of Kanri Gum. J. Holden.
South American Freshwater Shells. Dr. Thering, Rio, Brazil.
Manganese from Waiheke. J. W. Herrold.
Silver Ore and Cinnabar from Puhipuhi. D. S. Galbraith.
Rock Specimens from Taranaki. S. Weetman.
Amber, numerous fine specimens; Calcite; Silicified Wood; and other specimens from Kawakawa. T. P. Moody.
Block of Stone from Whakarewarewa, showing coloured concentric markings. J. McFadyen.
Collections of Rock Specimens from the Sandwich Islands. G. C. Munro.

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- Eighty-two Specimens of Rocks and Minerals to illustrate the Geology of the Thames Goldfields. J. Park, F.G.S.
- Collection of Silver bearing Rocks from Puhipuhi. D. C. Wilson.
- Figure-head of Maori War Canoe. E. Champataloup.
- Carved Figure-head and Stern-post of a Maori War Canoe. Deposited by Sir W. L. Buller.
- Ancient Canoe head ; Greenstone Hei-tiki ; Greenstone Axe; three ordinary Stone Axes ; several Copper Coins. E. S. Brookes, senr.
- Numerous Stone Axes, some very large ; Wooden Axe-handle ; Carved Baler of a Canoe ; portion of Mast of Canoe ; Moa Bones from the Ornawharo river. E. S. Brookes, junr.
- Five Stone Axes ; two Sinkers ; curious Carved Ornament. J. Munro.
- Two Stones used by the Maoris in grinding and polishing stone implements. J. Watkin
- Six Stone Axes. F. Marcroft.
- Five Stone Axes. B. Blackburn.
- Ancient Pumice stone Box for holding the head of a chief. A. W. Chatfield.
- Two Wooden Fern-pounders. C de Jersey Grut.
- Fijian Fish-hooks. S. Lazarus.
- Kauri Weather-board taken from the oldest house in Auckland, erected in 1841. Dr. Campbell.
- Copper Coin. W. Bowden.
- Silver Coin. T. Smith.
- Three Copper Coins. Voyce.
- Silver Coin. P. Black.
- Specimens of the First Atlantic Telegraph Cable. E. A. Mackechnie, C. Dacre.



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LIST OF MEMBERS

FOR THE YEAR ENDING MARCH 31, 1892.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS *]

Adams, J., B.A., Thames	Cheeseman, T. F., F.L.S., Auckland
Aickin, G., Auckland	Ching, T., Parnell
Aitken, W., Auckland	Chooye, H. C., Auckland
Aldis, Prof., Auckland	Clark, J. M., Remuera
Alexander, C., Auckland	Clayton, W. T., Auckland
Alexander, J. M., Auckland	Cochrane, W. S., Auckland
Allen, T., Auckland	Colbeck, Capt., Epsom
Argall, W. H., Coromandel	Coombes, F. H., Auckland
Bagwell, L. J., Thames	Coom, J., C.E., Auckland
Bakewell, R. H., M.D., Auckland	Cooper, C., Auckland
Baker, Rev. S. W., Auckland	Cooper, T., Auckland
Ball, T., Onehunga	Cowie, Right Rev. W. G., D.D., Bishop of Auckland
Ball, W. T., Auckland	Cozens, G., Auckland
Bartley, E., Devonport	Craig, E., Auckland
Bates, Rev. J., Devonport	Cranwell, R., Auckland
*Bates, T. L., Newcastle, N.S.W.	Cruickshank, D. B., Auckland
Batger, J., Auckland	Cussen, L., Hamilton
Beere, D. M., C.E., Gisborne	Darby, P., Auckland
Bell, Dr., Whangarei	Davies, Rev. H. S., Northcote
Berry, W., Auckland	Davies, W., Whakatane
Bourne, C. F., M.A., Auckland	Dawson, F. W. E., M.R.C.S.E., Auckland
Brett, H., Auckland	Dignan, P. L., Auckland
Brigham, J. M., Auckland	Dignan, Hon. P., Auckland
Brock, A., Auckland	Dufaur, E. T., Auckland
Brookes, E. S., junr., Wharehine	Duxfield, R. D., Remuera
Bronn, Capt. T., F.E.S., Drury	
Brown, Prof. F. D., Auckland	
Brown, H., Auckland	Edson, J., Devonport
Buchanan, J., Auckland	Ehrenfried, L., Auckland
Buchanan, W., Devonport	
*Buckland, A., Auckland	Fallon, D., Auckland
Buckland, W. F., Remuera	Farmer, J., London
Bull, G. W., Thames	Fenton, F. D., Kaipara
Burgess, E. W., Devonport	Fidler, W., Northcote
*Burton, Capt., Lake Takapuna	Firth, J. C., Auckland
Cameron, R., Auckland	Fowlds, G., Auckland
Campbell, H., Auckland	Fox, Sir W., Auckland
Campbell, J. L., M.D., Auckland	Fraser, G., Auckland
Campbell, Rev. J., Ponsonby	
Carr, R. C., Remuera	George, C. S., Auckland
Chambers, J., Auckland	Girdler, Dr., Auckland
Cheal, P. E., Thames	Goldie, D., Auckland

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- Goldsmith, E. C., Gisborne
Goodall, J., C.E., Auckland
Gorrie, W., Auckland
Grace, L. M., Taupo
Graham, W. K., London
Gray, A., Remuera
Grey, J., Auckland
Grey, C., Auckland
Grosch, F., Auckland
- Haines, C. H., M.D., F.R.G.S.,
Auckland
Hardie, J., Auckland
Harding, S., C.E., Auckland
Hazard, H. D. M., Auckland
Haultain, Hon. Col., Auckland
Heinitz, R., Auckland
Heather, A., Auckland
Henton, J. S., Auckland
Herapath, P., Auckland
Hesketh, E., Auckland
Herbert, T., Parnell
Hill, W. J., Auckland
Humphries, T., Napier
Hunt, R. R., Auckland
Hunter, A. J., C.E., Auckland
- Johnston, H. D., Te Aroha
- Kenderdine, J., Auckland
Kidd, A., Auckland
Kidd, Rev. R., L.L.D., Auckland
*Kirk, T., F.L.S., Wellington
Kirker, J., Auckland
*Kitt, T. W., Auckland
- Lanigan, Pierce, Auckland
*Leaf, C. J., F.L.S., F.G.S., London
Lennox, J. M., Auckland
*Lennox, N. G., Sydney
Leys, T. W., Auckland
Lodder, W., Auckland
- MacArthur, J. P., London
Mackenzie, E. A., Auckland
MacMillan, C. C., Auckland
Mahoney, T., Auckland
Mair, Capt. G., Wellington
Mair, R., Whangarei
Mair, Major W. G., Auckland
Malfroy, C., Rotorua
Martin, J., F.G.S., Auckland
Masfield, T. T., Auckland
*Meinertzhagen, F. M., Napier
McCullough, W., Auckland
McLachlan, J. M., Auckland
McLaurin, J., Auckland
Mitchell, J., Auckland
Moat, W. P., Mahurangi
- Moody, T. P., Kawakawa
Morton, H. B., Auckland
Morrin, T., Auckland
Monro, H. A. H., Parnell
Munro, G. C., Clevedon
Murdoch, D. L., Auckland
Murray, T. L., Thames
- Nathan, L. D., Auckland
- Orchiston, W., Auckland
Owen, G. B., Auckland
- Park, Jas., F.G.S., Thames
Paul, Rev. J. S., Onehunga
Peacock, T., Auckland
Percival, H., Parnell
Plumley, E. A., Auckland
Pond, J. A., Auckland
Pond, Prof., Auckland
Purchas, Rev. A. G., M.R.C.S.E.,
Auckland
Purchas, A. C., M.D., Auckland
- Rathbone, —, Auckland
Rechnagel, R., Thames
Reid, J., Auckland
Robertson, Dr., Auckland
Rose, R., Auckland
Russell, Jas., Auckland
Russell, J. B., Auckland
*Russell, T., London
- Sanders, C. W., Parnell
Scott West, Rev. R. J., Mt. Eden
Seegner, C., Auckland
Shaw, H., Auckland
Shrewsbury, A., Parnell
Simpson, F., Whangarei
Sinclair, A., Auckland
Smith, A. R., Auckland
Smith, H. G. S., Wellington
*Smith, S. P., F.R.G.S., Wellington
Steel, T., Melbourne
Stewart, J., C.E., Auckland
Sylow, P., Chelsea
- Thomas, Professor, A. P. W., F.L.S.,
Auckland
- *Tinne, H., London
Tinne, T. F. S., London
- Upton, J. H., Auckland
Urquhart, A. T., Karaka
- Vaile, S., Auckland
Von Sturmer, E. S., Auckland
- Wade, H. G., Auckland

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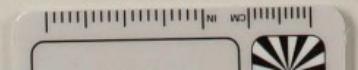
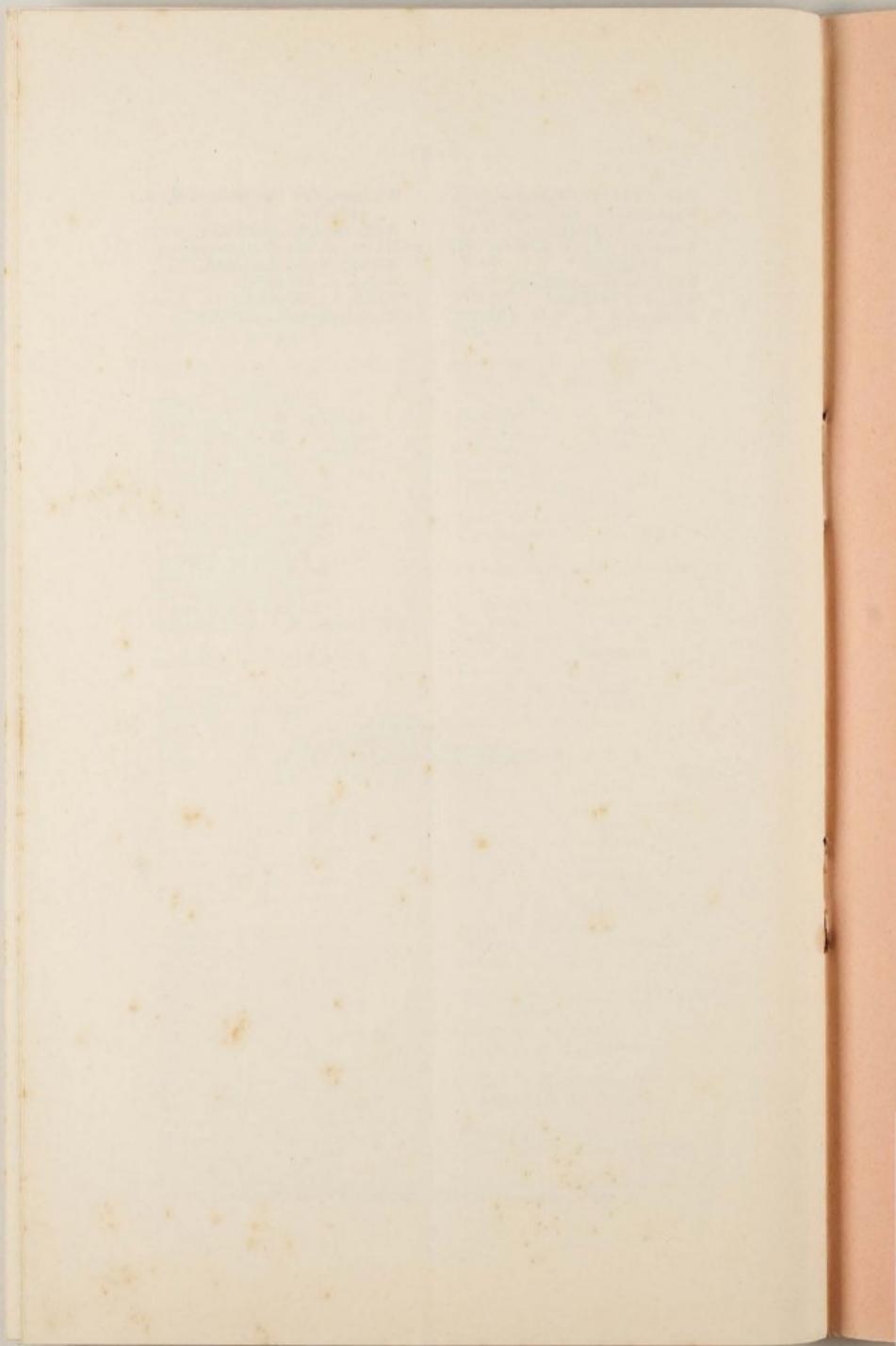
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Walsh, Rev. P., Waimate
Waymouth, J., Auckland
Webster, J., Hokianga
*Weetman, S., F.R.S.G., New
 Plymouth
Wildman, W., Auckland
Will, W., Auckland
Williams, T. O., M.D., Thames

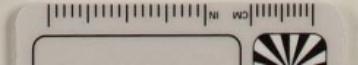
Williams, Ven. Archdeacon W. L.,
 Gisborne
Williamson, C., Auckland
Wilson, H. M., Warkworth
Wilson, W. S., Auckland
Winks, J., Parnell
*Withy, E., Remuera
Worthington, H., Auckland



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